

# INTERNATIONAL SEARCH REPORT

International application No.  
CT/CA2005/000255

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC(7): C08F 236/12, C08C 19/02, C08L 9/02, C08C 19/08

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC(7): C08F 236/12, C08C 19/02, C08L 9/02, C08C 19/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)

Canadian Patent Database, Delphion, Espacenet, USPTO, STN ("nitrile rubber", "ruthenium", "hydrogenated nitrile rubber", "metathesis", "imidazolidinyldiene", "imidazolidine")

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| X         | CA 2350280, A1 (BAYER INC., CA)<br>12 December, 2002<br>entire document, in particular page 10, lines 1-9  | 1-5                   |
| X         | SCHMIDT, B. ET AL. "Tandem olefin metathesis/hydrogenation at ambient temperature: activation of ruthenium carbene complexes by addition of hydrides"<br>ORG. BIOMOL. CHEM., 1(14), 2512-2517 (2003)<br>abstract, figure 1- catalyst B | 1-5                   |
| A         | GRUBBS, R.H. ET AL: "Synthesis and Activity of Ruthenium Alkylidene Complexes Coordinated with Phosphine and N-Heterocyclic Carbene Ligands"<br>J. AM. CHEM. SOC., vol. 125, no.9, 2546-2558 (2003)<br>abstract, compound 2            | 1                     |

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

11 May 2005 (11-05-2005)

Date of mailing of the international search report

18 May 2005 (18-05-2005)

Name and mailing address of the ISA/CA  
Canadian Intellectual Property Office  
Place du Portage I, C114 - 1st Floor, Box PCT  
50 Victoria Street  
Gatineau, Quebec K1A 0C9  
Facsimile No.: 001(819)953-2476

Authorized officer

Raluca Aldea (819) 997-6964

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.  
PCT/CA2005/000255

| Patent Document<br>Cited in Search Report | Publication<br>Date | Patent Family<br>Member(s) | Publication<br>Date |
|---|---------------------|----------------------------|---------------------|
| CA2350280                                 | 12-12-2002          | BR0210349 A                | 20-07-2004          |
|   |                     | CA2350280 A1               | 12-12-2002          |
|   |                     | CA2357465 A1               | 18-03-2003          |
|   |                     | CN1514852 A                | 21-07-2004          |
|   |                     | EP1401950 A1               | 31-03-2004          |
|   |                     | EP1440096 A1               | 28-07-2004          |
|   |                     | JP2004300444 A             | 28-10-2004          |
|   |                     | JP2004529256T              | 24-09-2004          |
|   |                     | MXPA03011205 A             | 26-02-2004          |
|   |                     | TW593386 B                 | 21-06-2004          |
|   |                     | US6673881 B2               | 06-01-2004          |
|   |                     | US6780939 B2               | 24-08-2004          |
|   |                     | US2004236029 A1            | 25-11-2004          |
|   |                     | WO02100905 A1              | 19-12-2002          |
|   |                     | WO02100941 A1              | 19-12-2002          |
|   |                     | MXPA03011586A              | 09-03-2004          |